What is claimed is:

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1	A narticle	cizina :	and	cenarating	annaratue	comprising:
1.	A particle	Sizing (anu	scharaning	apparatus,	comprising.

a base;

a frame movably mounted on the base;

a motor assembly for vibrating the frame;

at least two screens mounted on the frame;

means for feeding particles to each of said screens from two opposing sides of each of the screens;

a pan disposed beneath each screen to receive sized particles that pass through the screens; and

an outlet to receive oversize particles that pass over the screens.

- The apparatus of claim 1, further comprising a spreader tray for each screen,
 wherein each spreader tray is disposed above each respective screen to distribute particulate
 material onto each screen.
 - 3. The apparatus of claim 1, further comprising a screen box mounted on the frame and in which the at least two screens are secured.

4. The apparatus of claim 1, further comprising a distributor proximate the frame and in fluid communication with the means for feeding particles to the screens.

- 5. The apparatus of claim 4, wherein the distributor includes a flow control system.
- The apparatus of claim 1, wherein the screens are vertically aligned in aspaced parallel manner.
 - 7. The apparatus of claim 1, wherein the at least two screens include five screens.
- The apparatus of claim 1, wherein the frame is movably mounted on the base by a spring system.
 - 9. The apparatus of claim 1, further comprising an undersize material discharge system, which includes at least one tube that is in fluid communication with the pans.
 - 10. An apparatus for the sizing and separating of particles, comprising: a base;
 - a frame mounted on the base by suspension means;
 - a motor assembly attached to the frame for vibrating the apparatus;
 - at least two screens mounted on the frame;

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- a spreader tray for each screen, wherein each spreader tray is mounted on the frame above each respective screen;
- at least two opposing inlet ports for each spreader tray disposed proximate to each respective spreader tray;

means for delivering particles to the inlet ports;

a pan for each screen mounted on the frame and disposed under each respective screen to receive particles that pass through the screens; and

a hopper disposed beneath the screens and defining an outlet to receive particles that

pass over the screens.

- 11. The apparatus of claim 10, further comprising a screen box mounted on the frame and in which the screens, spreader tray and pans are secured.
- 10 12. The apparatus of claim 10, wherein the screens are vertically aligned in a spaced parallel manner.
 - 13. The apparatus of claim 10, wherein the at least two screens include five screens.

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14. The apparatus of claim 10, wherein the screens are at an angle of about zero degrees relative to horizontal.

- 15. The apparatus of claim 10, wherein the screens are at an angle of about fifteen degrees relative to horizontal.
 - 16. An apparatus for the sizing and separating of particles, comprising: a base;
 - a frame mounted on the base by suspension means;

a motor assembly attached to the frame for vibrating the apparatus;

a screen box mounted on the frame;

at least two screens disposed within and secured to the screen box;

a spreader tray for each screen, wherein each spreader tray is disposed above each

5 respective screen in the screen box;

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at least two inlet ports defined in opposing sides of the screen box for each spreader tray proximate each respective spreader tray;

a distributor proximate the screen box;

means for connecting the distributor to the inlet ports, whereby particles are conveyed from the distributor to the inlet ports and on to the spreader trays;

a pan for each screen, wherein each pan is disposed in the screen box underneath each respective screen to receive particles that pass through the screens;

at least one tube in fluid communication with the pans to convey undersize particles away from the apparatus; and

a hopper at a lower end of the screen box that defines an outlet to receive and convey particles that pass over the screens away from the apparatus.

- 17. The apparatus of claim 16, wherein the screens are secured to the screen box in a vertically aligned spaced parallel manner.
- 18. The apparatus of claim 16, wherein the distributor defines an outlet port for each inlet port defined in the screen box.

- 19. The apparatus of claim 16, wherein the means for connecting the distributor to the inlet ports include a hose.
 - 20. The apparatus of claim 16, wherein the spreader tray defines perforations.